



केंद्रीय रेशम बोर्ड Central Silk Board  
रेशम कीट बीज उत्पादन केंद्र Silkworm Seed Production Centre  
राष्ट्रीय रेशम कीट बीज संगठन National Silkworm Seed Organization  
वस्त्र मंत्रालय भारत सरकार Ministry of textiles, Govt. of India  
प्लॉट नंबर 95, सिपकोट इंडस्ट्रियल कॉम्प्लेक्स Plot No.95, SIPCOT Industrial Complex,  
होसुर 635 126 HOSUR – 635 126 Tamil Nadu



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No.CSB/NSSO/SSPC/HSR/APL/2025-26/

दिनांक/Date : 13.03.26

आदरणीय महोदय /Respected Sir,

**Sub: Invitation of Quotations for the Supply of Humidifiers for Silkworm Seed Production Centre, Hosur, Tamil Nadu – Reg.**

The Silkworm Seed Production Centre, NSSO, CSB, Hosur, invites sealed quotations from interested parties for the supply of 02 numbers of humidifiers for grainage operations at the **Silkworm Seed Production Centre, Plot No. 95, SIPCOT Industrial Complex, Hosur, TN-635126**. The detailed specifications of the humidifiers along with the terms and conditions are enclosed herewith for reference.

The sealed quotations should be superscribed as **“QUOTATION FOR SUPPLY OF HUMIDIFIERS FOR SSPC, HOSUR”** and must reach this office on or before **30.03.2026 at 3:00 PM**.

The quotations will be opened on the **same day at 3:30 PM** in the presence of the representatives of the firms who wish to be present at the time of opening.

Interested parties may visit the SSPC, Hosur, to assess the actual requirements and submit their lowest quotation to this office within the stipulated date and time.

Encl. As above

Yours sincerely,

डॉ. अभिलाष पी.एल./ Dr.Abhilash.P.L,  
वैज्ञानिक –सी/Scientist –C  
कें. रे .बो -एसएसपीसी होसुर/ CSB-SSPC Hosur

# **Detailed specifications of the humidifiers**

## **1. Scope of Work**

Supply, installation, testing, and commissioning of **02 (Two)** numbers of humidifiers for maintaining the required humidity conditions for grainage operations at the Silkworm Seed Production Centre (SSPC), NSSO, CSB, Hosur, TN.

## **2. Application Requirement**

The humidifiers shall be suitable for maintaining controlled environmental conditions essential for silkworm egg production, including:

Uniform humidity distribution in grainage rooms

Continuous and reliable operation under local climatic conditions

## **3. Type of Humidifier**

Suitable for indoor use

Capable of operating efficiently in enclosed grainage rooms

## **4. Capacity / Technical Specifications**

**Weight : 25kg-40 kg (preferably)**

Fog Output: 6 kg/hour

Power Consumption: 90–120 Watts

Coverage Area: 500–600 sq. ft.

Operating Voltage: 220–240V AC, 50 Hz

Equipped with RH Controller (Accuracy:  $\pm 3\%$ )

**The bidder shall clearly specify the capacity and coverage in the offer**

## **5. Humidity Control System**

Capable of maintaining Relative Humidity (RH) in the range of 75% to 90%, as required for silkworm operations

Equipped with digital humidistat/controller

Accuracy:  $\pm 3\%$  RH

Automatic operation with cut-off and restart based on preset humidity levels

## **6. Droplet Size**

Fine mist generation with droplet size  $\leq 10\text{--}20$  microns

Shall not cause condensation or wetting of trays, eggs, or rearing equipment

## **7. Construction and Material**

Body made of corrosion-resistant material (Stainless Steel/Engineering Plastic/FRP)

Durable and suitable for continuous operation

All components shall be rust-proof

## **8. Water Requirement and Filtration**

Operates with clean/RO/softened water

Provision for inbuilt/external filtration system

Anti-clogging design for nozzles

## **9. Installation and Distribution**

Portable type humidifier

Shall ensure uniform humidity distribution throughout the room

Supply shall include all necessary accessories such as piping, nozzles, clamps, fittings, etc.

## **10. Power Supply**

Operates on 230V AC, 50 Hz (Single Phase)

Energy-efficient system

### **11. Noise Level**

Maximum permissible noise level:  $\leq 60$  dB

### **12. Safety Features**

Auto shut-off in case of low water level  
Overload protection  
Properly insulated and safe electrical components

### **13. Installation and Commissioning**

Complete installation and commissioning at SSPC, Hosur shall be included in the quoted cost  
Performance demonstration shall be carried out after installation

### **14. Warranty and Service**

Minimum 12 months warranty from the date of installation  
The supplier shall provide **prompt after-sales service**  
Availability of spare parts for a minimum period of 03 years

### **15. Eligibility Criteria for Bidders**

Experience in supplying humidifiers to Government institutions/research centres/agriculture/sericulture units is preferred  
Valid GST registration and business credentials  
Submission of product brochure and detailed technical specifications

### **16. Documents to be Submitted**

Technical specifications along with compliance statement  
Copy of GST Registration Certificate  
Copies of past supply/work orders (if available)  
Warranty declaration

### **17. Terms and Conditions**

Rates shall be quoted inclusive of all taxes, transportation, installation, and commissioning charges  
Delivery period: within 45 days from the date of issue of supply order  
Payment shall be made only after successful installation, commissioning, and verification  
The competent authority reserves the right to accept or reject any or all quotations without assigning any reason

### **18. Inspection**

The equipment will be inspected at SSPC, Hosur after installation  
Only fully functional and specification-compliant systems will be accepted

### **19. Place of Delivery**

**Silkworm Seed Production Centre (SSPC)**  
**Central Silk Board**  
**Plot No. 95, SIPCOT Industrial Complex**  
**Hosur – 635126, Tamil Nadu**



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